L Number	Hits	Search Text	DB	Time stamp
1	11675	((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:00
2	5058	(((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:01
3	0	((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish43	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
4	735	((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
5	501	(((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:02
6	195	((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:03

7	174	((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:04
9	17	((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 (stop$4 or anti))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:05
10	0	((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)) not ((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 (stop$4 or anti)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:05
8	17	((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:10

| 11 | 174 | ((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 ner ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)) not ((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 (stop$4 or anti)))) (copper or cu)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:11 |
| 12 | 28 | ((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu)) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:26 |

13	27	((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:20
14	3	(("6492266") or ("6528409") or ("6599827")).PN.	USPAT	2004/07/23 22:20
15	43	((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:27

| 16 | 38 | (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4))) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:42 |

| 17 | 28 | (((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)))) and plasma | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:42 |

| 18 | 12 | ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)))) and (plasma same treat$4) | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:45 |

| 19 | 12 | (((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)))) and (plasma same treat$4)) and clean$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:45 |

21	0	((((((((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not ((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)))) and (plasma same treat$4)) and clean$3) and anneal$3) and (nitric adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/23 22:46

| 20 | 10 | ((((((((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (cap$4 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (passivat$3 near10 (copper or cu))) not (((((((((438/625) or (438/626) or (438/627) or (438/629) or (438/631) or (438/632) or (438/633) or (438/637) or (438/643) or (438/645) or (438/646) or (438/648) or (438/653) or (438/656) or (438/660) or (438/663) or (438/669) or (438/672) or (438/674) or (438/675) or (438/685) or (438/687) or (438/692) or (438/700)).CCLS.) and (cmp or (chemical$2 adj mechanical$2 adj polish$3))) and dish$3) and (copper or cu)) and ((copper or cu) same (diffusion near10 (barrier or anti)))) and (damascene or trench)) and (polish near10 stop$4)))) and (plasma same treat$4)) and clean$3) and anneal$3 | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2004/07/23 22:46 |